

APR 02 2007

JBH:cmw 04/02/07

Attorney Ref. No. 739-71454-01

KLARQUIST SPARKMAN, LLP

16th Floor World Trade Center, 121 S.W. Salmon Street, Portland, Oregon 97204 U.S.A.

PHONE: 503-595-5300 FAX: 503-595-5301

PLEASE DELIVER DIRECTLY TO: Customer Corrections**Fax No.: 571-273-8300****Total No. Pages: 15** including this cover sheet**Message:** Transmitted herewith for filing in the above-identified application is a Request for Corrected Official Filing Receipt and attached Exhibits A-C. If you do not receive all pages or if you have problems receiving this transmission, please call Christine M. Wolfe at (503) 595-5300.

In re application of: Paul Raymond Smith

Application No.: 10/551,270

Filed: May 30, 2006

Confirmation No. 6421

For: A SPHERICAL BEARING ARRANGEMENT AND METHODS

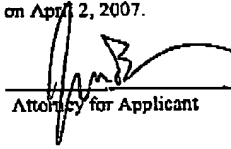
Examiner: Justin Mitchell Krause

Art Unit: 3682

Attorney Reference No. 739-71454-01

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence and any documents referred to as being transmitted herewith are being facsimile transmitted to the Patent and Trademark Office via 571-273-8300 on April 2, 2007.


Attorney for ApplicantVIA FACSIMILE

Office of Initial Patent Examination

Customer Service Center

COMMISSIONER FOR PATENTS

PO BOX 1450

ALEXANDRIA, VA 22313-1450

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Applicants have received the official Filing Receipt for the application referenced above, a copy of which (with requested correction shown) is attached as Exhibit A.

The Filing Receipt contains the following errors in the name of the title:

ERROR

Spherical Bearing Arrangement

Jerome Gourd, Lincoln, UNITED
KINGDOM**CORRECT INFORMATION**A Spherical Bearing Arrangement And
MethodsJerome Gourdol, Lincoln, UNITED
KINGDOM

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS CONFIDENTIAL AND ONLY FOR THE INTENDED RECIPIENT IDENTIFIED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION OR USE OF THIS COMMUNICATION IS UNLAWFUL. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE (COLLECT) RETURN THE ORIGINAL MESSAGE TO US, AND RETAIN NO COPY.

Attached as Exhibit B is the Preliminary Amendment submitted on September 28, 2005, amending the title to read: "A Spherical Bearing Arrangement and Methods."

Attached as Exhibit C is a copy of the signed Combined Declaration and Power of Attorney showing the correct spelling of the inventor's name.

Applicants request that the identified errors be corrected and that a new official Filing Receipt be issued.

No fee should be required for this filing. The Director is hereby authorized to charge any fee that may be required in connection with this filing, or credit any overpayment, to Deposit Account No. 02-4550.

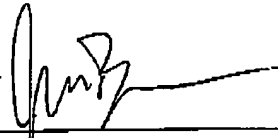
Please call the undersigned if any further information is required.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 595-5300
Facsimile: (503) 595-5301

By


Jeffrey B. Haendler
Registration No. 43,652

cc: Docketing

THE INFORMATION CONTAINED IN THIS TRANSMISSION IS CONFIDENTIAL AND ONLY FOR THE INTENDED RECIPIENT IDENTIFIED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION OR USE OF THIS COMMUNICATION IS UNLAWFUL. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE (COLLECT), RETURN THE ORIGINAL MESSAGE TO US, AND RETAIN NO COPY.

A Spherical bearing arrangement and methods**Preliminary Class**

384

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR

1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

RECEIVED
CENTRAL FAX CENTER

008

APR 02 2007

JBH:lam 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Smith and Gourdol

Application No. Not yet assigned.

Filed: Herewith

Confirmation No. Not yet assigned.

For: A SPHERICAL BEARING
ARRANGEMENT

Examiner: Not yet assigned.

Art Unit: Not yet assigned.

Attorney Reference No. 739-71454-01

CERTIFICATE OF MAILING

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as Express Mail Label No. EV629077308US in an envelope addressed to: MAIL STOP PCT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent
for Applicant(s)

Date Mailed September 28, 2005

MAIL STOP PCT.
COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VA 22313-1450

PRELIMINARY AMENDMENT

Prior to examination of the above-identified patent application, please amend the application as follows:

Amendments to the Specification begin on page 2.

Amendments to the Claims are reflected in the listing of claims, which begins on page 3.

Remarks begin on page 6.

EXHIBIT B

JBH:lam 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

Amendments to the Specification

Please replace the title of the application with the following:

--A SPHERICAL BEARING ARRANGEMENT AND METHODS--

On page 1 immediately following the title, please insert the following paragraph:

--This is the U.S. National Stage of International Application No. PCT/GB2004/001295, filed March 25, 2004, which in turn claims the benefit of Great Britain Patent Application No. GB 0307425.9, filed March 31, 2003.--

Please insert the Abstract, submitted herewith on a separate page, as page 7 at the end of the application.

JBH:lam 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

Claims

1. (Currently Amended) A method of manufacturing a spherical bearing comprising the steps of:
 swaging an inner housing onto a ball to curve the inner housing around the ball and surround the equator of the ball;
 providing an annular elastomeric portion around an outer surface of the inner housing, the annular elastomeric portion also curving around the ball and surrounding the equator of the ball;
 and
 swaging an outer housing onto the elastomeric portion.
2. (Currently Amended) A method according to Claim 1, wherein the step act of providing the annular elastomeric portion around the outer surface of the inner housing comprises bonding an elastomeric portion to the outer surface of the inner housing.
3. (Previously Presented) A method according to Claim 2, wherein the elastomeric portion is applied by an injection process.
4. (Canceled)
5. (Previously Presented) A spherical bearing arrangement having a bearing housing and a ball located therein, the bearing housing having an outer housing, an inner housing and an annular elastomeric portion sandwiched between the outer and inner housings, wherein:
 the outer housing has an outer surface to allow the outer housing to be securely held in an interference fit hole;
 the housings and the annular elastomeric portion surround the equator of the ball; and
 the inner housing and the annular elastomeric portion are curved around the ball.
6. (Previously Presented) A bearing arrangement according to Claim 5, wherein the elastomeric portion is bonded to the inner housing.

JBH:am 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

7. (Previously Presented) A bearing arrangement according to Claim 6, wherein the elastomeric portion is bonded to the inner housing by an injection process.
8. (Currently Amended) A bearing arrangement according to ~~any one of Claims 5 to 7~~ Claim 5, wherein the elastomeric portion is bonded to the outer housing.
9. (Currently Amended) A bearing arrangement according to ~~any one of Claims 5 to 8~~ Claim 5, wherein a liner is provided on the inner housing in contact with the ball.
10. (Previously Presented) A bearing arrangement according to Claim 9, wherein the liner is a self-lubricating liner.
11. (Currently Amended) A bearing arrangement according to ~~any one of claims 5 to 8~~ Claim 5, wherein the inner housing and ball are both manufactured from metal and the inner housing is in direct contact with the ball.
12. (Currently Amended) A bearing arrangement according to ~~any one of Claims 5 to 11~~ Claim 5, wherein the elastomeric portion is rubber.
13. (New) A bearing arrangement according to Claim 6, wherein the elastomeric portion is bonded to the outer housing.
14. (New) A bearing arrangement according to Claim 7, wherein the elastomeric portion is bonded to the outer housing.
15. (New) A bearing arrangement according to Claim 6, wherein a liner is provided on the inner housing in contact with the ball.
16. (New) A bearing arrangement according to Claim 7, wherein a liner is provided on the inner housing in contact with the ball.

JBH:lam 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

17. (New) A bearing arrangement according to Claim 8, wherein a liner is provided on the inner housing in contact with the ball.
18. (New) A bearing arrangement according to Claim 6, wherein the inner housing and ball are both manufactured from metal and the inner housing is in direct contact with the ball.
19. (New) A bearing arrangement according to Claim 7, wherein the inner housing and ball are both manufactured from metal and the inner housing is in direct contact with the ball.
20. (New) A bearing arrangement according to Claim 8, wherein the inner housing and ball are both manufactured from metal and the inner housing is in direct contact with the ball.
21. (New) A bearing arrangement according to Claim 6, wherein the elastomeric portion is rubber.

JBH:lam 09/28/05 432505 P17501US
PATENT

Attorney Reference Number 739-71454-01
Express Mail Label No. EV629077308US
Date of Deposit: September 28, 2005

RECEIVED
CENTRAL FAX CENTER

APR 02 2007

Remarks

By this amendment, the specification has been updated to reflect prior related applications, to insert the abstract on a separate page, and to amend certain claims of the international application. In particular, claims 8, 9, 11 and 12 are rewritten to depend from a single claim. Also, new claims 13-21 have been added.

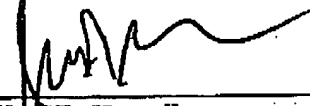
Claim 4 is canceled without prejudice or disclaimer.

If any issues remain to be discussed prior to examination, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By


Jeffrey B. Haendler
Registration No. 43,652

One World Trade Center, Suite 1600
121 S.W. Salmon Street
Portland, Oregon 97204
Telephone: (503) 595-5300
Facsimile: (503) 228-9446

RECEIVED
CENTRAL FAX CENTER

APR 02 2007

7

A SPHERICAL BEARING ARRANGEMENT AND METHODS**ABSTRACT**

A spherical bearing arrangement (1) having has a bearing housing (3) and a ball (4) located therein, with the bearing housing (3) having an outer housing (5), an inner housing (6) and an annular elastomeric portion (7) sandwiched between the housings (5,6), and a method Methods of making the same comprising the steps of bearing arrangement comprise: swaging an inner housing (6) onto a ball (4); providing an annular elastomeric portion (7) around an outer surface of the inner housing (6); and swaging an outer housing onto the elastomeric portion (7).

Jill:lam 07/11/05 ~1940748.doc P175000US

Express Mail Label No. EV629077308US
Attorney Ref. No. 739-71454-01**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled A SPHERICAL BEARING ARRANGEMENT, the specification of which

☒ is attached hereto.☐ was filed on _____ as United States Patent Application No. _____☒ was described and claimed in PCT International Application No. PCT/GB2004/001295, filed on March 25, 2004, and as amended under PCT Articles 19 on September 1, 2004.☐ and was amended on _____ (if applicable).☐ with amendments through _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56. If this is a continuation-in-part application filed under the conditions specified in 35 U.S.C. § 120 which discloses claims and subject matter in addition to that disclosed in the prior copending application, I further acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the applications(s) on which priority is claimed:

Number	Country	Day/Month/Year Filed	Claim Priority?
GB 0307425.9	Great Britain	31/March/2003	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Filing Date

COMBINED DECLARATION AND POWER OF ATTORNEY - PAGE 1 of 3

EXHIBIT C

JPH:lam 07/11/05 ~1940748.doc P175001US

Express Mail Label No. EV629077308US
Attorney Ref. No. 739-71454-01

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT international application(s) designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number Filing Date Status: patented, pending, abandoned

I hereby appoint the practitioners associated with the customer number provided below to prosecute this application, to file a corresponding international application, and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number 24197

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Combined Declaration and Power of Attorney any further information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for submitting this document.

Address all telephone calls to Jeffrey B. Haendler at telephone number (503) 226-7391.

Address all correspondence to the address associated with **Customer Number 24197**, which address is:

Klarquist Sparkman, LLP
121 S.W. Salmon Street, Suite 1600
Portland, OR 97204

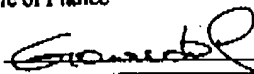
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of First Inventor:	Paul Raymond Smith
Residence:	Lincoln, UNITED KINGDOM
Mailing Address:	c/o NMB-MINEBEA UK Ltd. Doddington Road Lincoln, LN6 3RA UNITED KINGDOM
Citizenship:	United Kingdom
Inventor's Signature	<i>Paul Raymond Smith</i> Date 11/7/05

COMBINED DECLARATION AND POWER OF ATTORNEY - PAGE 2 of 3

Jhl:lan 08/24/05 P17500USDeclaration.doc P17500US

Express Mail Label No. EV629077308US
Attorney Ref. No. 739-71454-01

Name of Second Inventor:	Jerome Gourdoi
Residence:	Lincoln, UNITED KINGDOM
Mailing Address:	c/o NMB-MINEBEA UK Ltd. Doddington Road Lincoln, LN6 3RA UNITED KINGDOM
Citizenship:	Republic of France
Inventor's Signature	
Date	03/29/05

COMBINED DECLARATION AND POWER OF ATTORNEY - PAGE 3 of 3